

Flu Watch

MMWR Week 8: February 17 to February 23, 2019

All data are provisional and subject to change as more reports are received.

Geographic Spread



South Carolina reported widespread activity this week. This is the eighth consecutive week at widespread activity.

Influenza Activity



Overall, there was a decrease in influenza activity this week.

Regional Influenza Activity



Decrease



No change



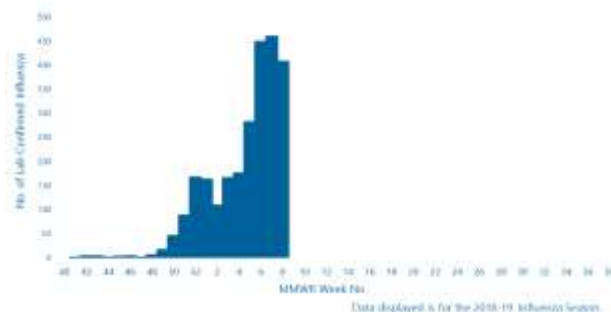
Decrease



No change

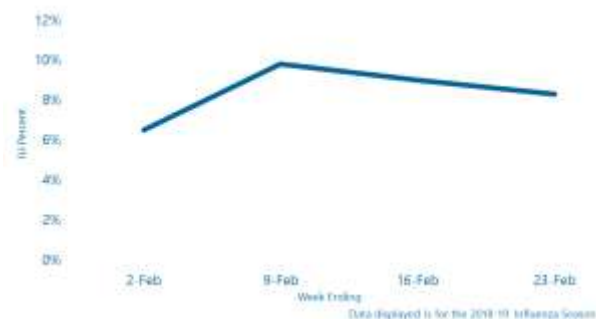
Virologic Surveillance

This week there were **408** lab-confirmed tests reported. Influenza A was most frequently reported. In the current flu season, there have been **1592** lab-confirmed tests reported.



Influenza-Like Illness Surveillance

The percent of patient visits to sentinel providers for an influenza-like illness (ILI) was 8.3%, which is above South Carolina's baseline (3.53%). The ILI activity level overall was **high**.



Influenza-Associated Hospitalizations

This week 223 influenza-associated hospitalizations were reported by 51 hospitals. The cumulative hospitalization rate is 32.2 per 100,000. In the current flu season, there have been 1618 influenza-associated hospitalizations.

Influenza-Associated Deaths

This week 4 influenza-associated deaths were reported; however, 3 deaths occurred during previous weeks. The cumulative mortality rate is 0.9 per 100,000. In the current flu season, there have been 43 influenza-associated deaths.

For a description of South Carolina's influenza surveillance components and definitions go to:

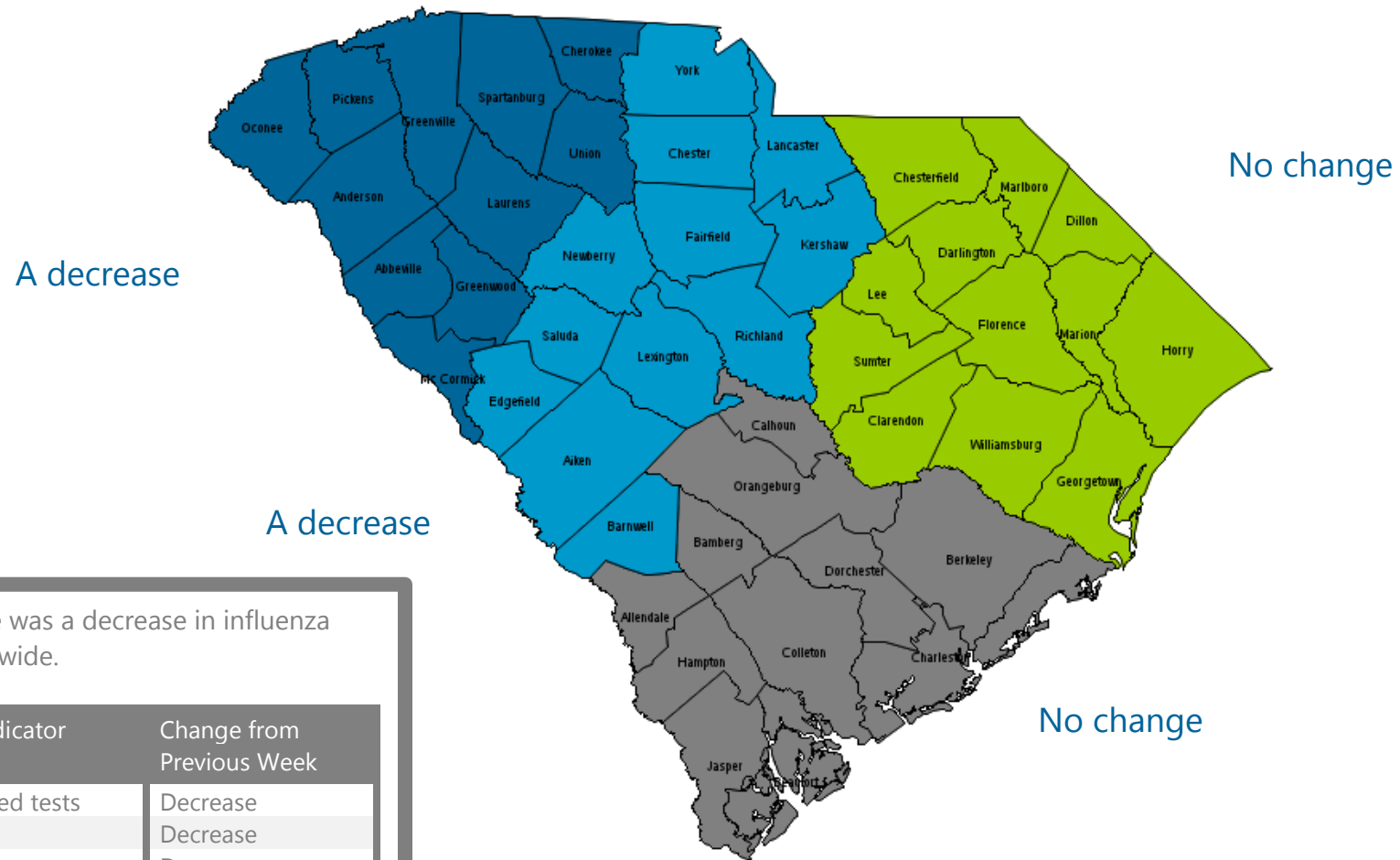
<http://www.scdhec.gov/Health/DiseasesandConditions/InfectiousDiseases/Flu/FluData/>

For national surveillance, please visit:

<https://www.cdc.gov/flu/weekly/>

Influenza Activity*

In the 4 Public Health Regions, activity showed...



Overall there was a decrease in influenza activity statewide.

Influenza Indicator	Change from Previous Week
Lab-confirmed tests	Decrease
ILI Percent	Decrease
Hospitalizations	Decrease

*Indicators for assessing influenza activity include: lab-confirmed tests, ILI percent, and hospitalizations.

Virologic Surveillance

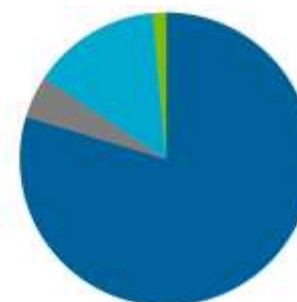
Influenza Type	Season Totals To Date				
	No. (%)	This Week	2018-19	2017-18	2016-17
Overall		408	1592	3181	1284
Influenza A		402 (98.5)	1573(98.8)	2303(72.4)	927(72.2)
A(H3)		58 (14.4)	189(12.0)	508(22.1)	267(28.8)
A(H1N1)		19 (4.7)	74(4.7)	182(7.9)	55(5.9)
A(NS)*		325 (80.8)	1310(83.3)	1613(70.0)	605(65.3)
Influenza B		6 (1.5)	19(1.2)	878(27.6)	357(27.8)
B (Victoria)		--	--	1 (0.1)	--
B (Yamagata)		--	--	48(5.5)	--
B (LND)*		6 (100)	19(100)	829(94.4)	357(100)

*NS – not subtyped

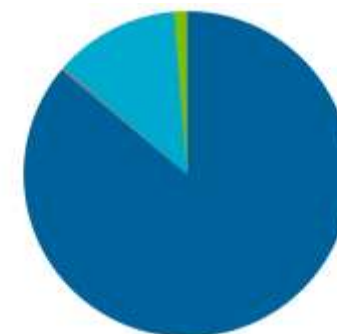
*LND – lineage not determined

Nationally, the influenza season begins with MMWR week 40 and ends with MMWR week 39. The 2018-19 influenza season began on September 30, 2018 and will end on September 28, 2019.

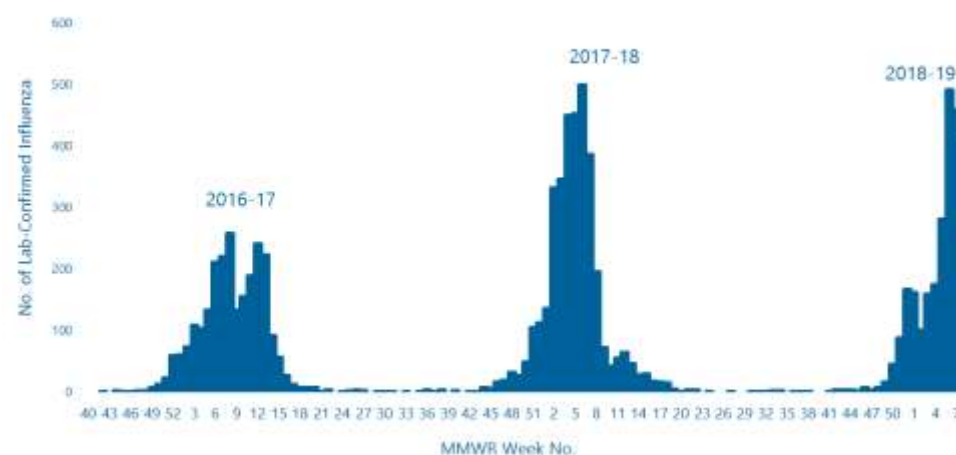
Week ending 2/23



Cumulative



■ A not subtyped ■ A(H1N1) ■ A (H3) ■ B (lineage not determined) ■ B (YAM) ■ B (VIC)



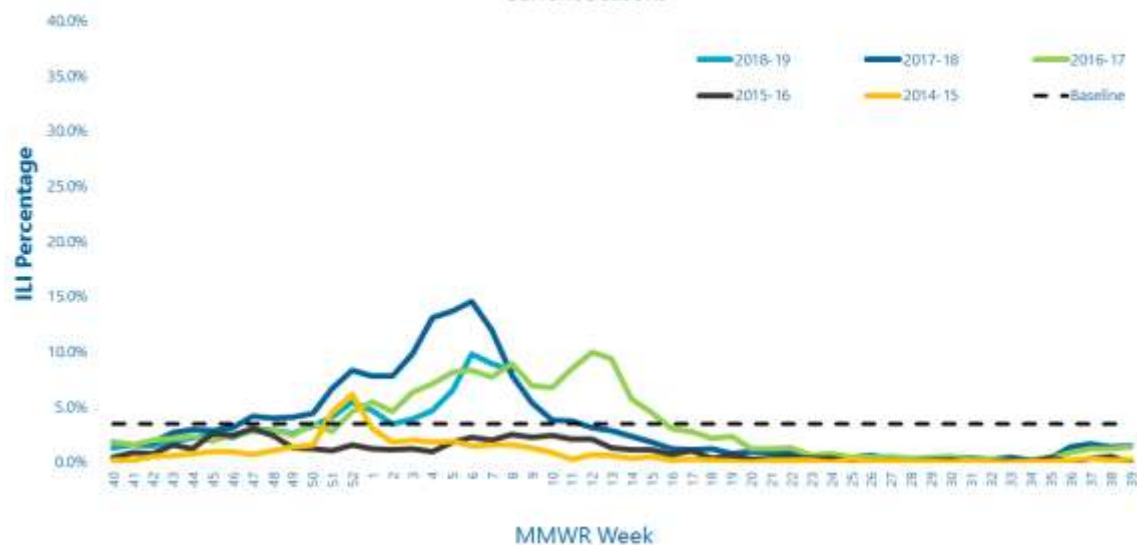
Influenza-Like Illness Surveillance

This week, the ILI activity level was **high** and 8.3% of patient visits to SC ILINet providers was attributed to an influenza-like illness. This is above the state baseline, 3.53%.

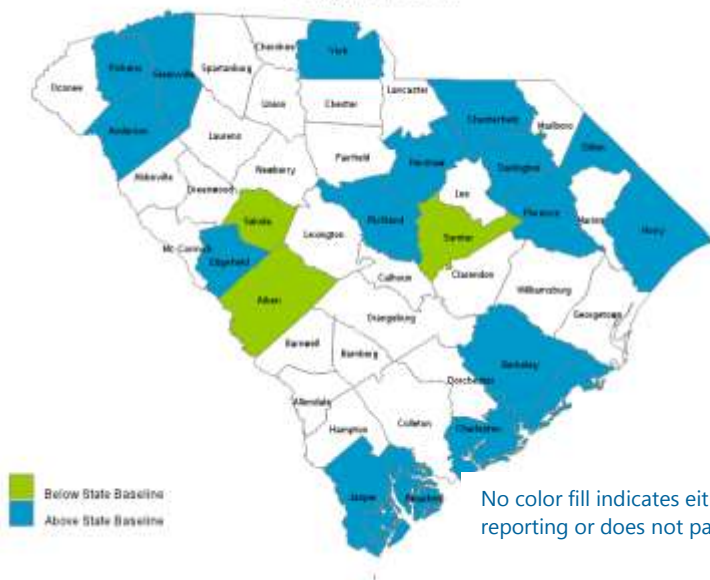
Reports were received from providers in 19 counties, representing all DHEC Public Health regions.

ILI percentage is dependent upon the number of reporting providers and/or can vary by disease activity or the number of providers submitting reports.

Percentage of Influenza-like Illness (ILI) Visits Reported by Sentinel Providers for Past and Current Seasons



County ILI Percent



State ILI Activity Level 2018-19 Calendar by Week of the Year

OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
40	44	48	1	5	9	14	18	22	27	31	36
41	45	49	2	6	10	15	19	23	28	32	37
42	46	50	3	7	11	16	20	24	29	33	38
43	47	51	4	8	12	17	21	25	30	34	39
		52			13			26		35	

ILI ACTIVITY LEVELS: MINIMAL LOW MODERATE HIGH

Influenza-Associated Hospitalizations And Deaths

Hospitalizations No. (Rate)	Overall	Ages 0-4	Ages 5-17	Ages 18-49	Ages 50-64	Ages 65+
This Week	223(4.4)	8(42.7)	15(1.9)	34(1.7)	54(5.4)	112(13.0)
2018-19	1618(32.2)	81(27.6)	87(10.7)	236(11.5)	400(40.0)	814(94.2)
2017-18	3989(25.7)	141(15.7)	119(5.2)	513(8.0)	913(26.5)	2303(89.8)
2016-17	1236(7.0)	50(5.8)	64(2.2)	173(2.8)	303(9.4)	646(19.8)
5 season average	1994(40.6)	107(36.9)	79(9.9)	313(15.4)	468(47.7)	1025(126.5)

Deaths No. (Rate)	Overall	Ages 0-4	Ages 5-17	Ages 18-49	Ages 50-64	Ages 65+
This Week	1(0.02)	--	--	--	--	1 (0.04)
2018-19	43 (0.9)	2(0.7)	--	3(0.2)	12(1.2)	26(3.0)
2017-18	243(4.8)	3(1.0)	--	22(1.1)	45(4.5)	173(20.0)
2016-17	40(0.8)	0	1(0.1)	3(0.1)	6(0.6)	30(3.6)
5 season average	99(2.0)	1 (0.3)	1 (0.1)	11(0.6)	17(1.8)	69(8.4)

Influenza-Associated Deaths by Region

